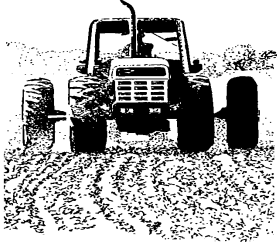




TENNESSEE WEEKLY
WEATHER AND CROP BULLETIN



Released Weekly April - November

2002 Weather Crop 23

Issued 3:00 P.M. 09/03/02

Week Ending September 1, 2002

RECENT RAINS KEEP CROPS IN GOOD CONDITION

Rainfall the past few weeks has helped keep row crops in mostly good condition. Rainfall totals averaged below normal for the week, but scattered thunderstorms improve soil moisture in many areas. Some problem dry areas still remain, especially in East Tennessee, where crops and pastures range from very poor to only fair condition. Corn crop development continues to outpace the 5-year average with forty-seven percent of the crop rated in good-to-excellent condition. Fifty-four percent of the soybean acreage was rated in good-to-excellent condition and benefitted from last week's showers. The cotton crop remains in mostly good condition. Although pasture conditions improved only slightly, the recent showers should aid growth. The State's cattle were rated in mostly good condition with some producers feeding hay. There were 6 days suitable for fieldwork last week. As of Friday, topsoil moisture levels were rated 15 percent very short, 39 percent short, 44 percent adequate, and 2 percent surplus. Subsoil moisture levels were rated 22 percent very short, 39 percent short, 38 percent adequate, and 1 percent surplus.

| CROP PROGRESS: Through September 1, 2002 | | | | | CONDITION: On August 30, 2002 | | | | | |
|--|-----------|-----------|------|----------------|-------------------------------|-----------|------|------|------|-----|
| Crop | This Week | Last Week | 2001 | Five Year Avg. | Item | Very Poor | Poor | Fair | Good | Exc |
| Percent | | | | | Percent | | | | | |
| Corn - Mature | 73 | 52 | 64 | 62 | Corn | 8 | 12 | 33 | 41 | 6 |
| Corn - Grain - Harvested | 20 | 6 | 11 | 18 | Soybeans | 7 | 12 | 27 | 48 | 6 |
| Corn - Silage - Harvested | 80 | 70 | 77 | 68 | Cotton | 3 | 8 | 27 | 51 | 11 |
| Soybeans - Setting Pods | 97 | 93 | 96 | 87 | Tobacco | 8 | 18 | 27 | 36 | 11 |
| Soybeans - Dropping Leaves | 11 | 6 | 13 | 9 | Pastures | 19 | 29 | 32 | 19 | 1 |
| Cotton - Bolls Opening | 32 | 16 | 46 | 39 | Cattle | 2 | 11 | 38 | 42 | 7 |
| Tobacco - Topped | 90 | 84 | 96 | 90 | | | | | | |
| Tobacco - Burley - Harvested | 40 | 26 | 55 | 49 | | | | | | |
| Tobacco - Air-Cured - Harv. | 55 | 39 | 59 | 60 | | | | | | |
| Tobacco - Fire-Cured - Harv. | 46 | 33 | 65 | 57 | | | | | | |

CORN: Corn development continues at a rapid pace, with nearly three-fourths of the crop mature. Eighty percent of the corn silage had been harvested, ahead of last year and the 5-year average. The crop condition improved slightly from last week's rating.

COTTON: As of Sunday, almost a third of the cotton fields had open bolls. Defoliant applications will likely be underway beginning next week. There have been reports of insect problems in some fields. The crop remains in mostly good condition.

SOYBEANS: Virtually all of the State's soybeans have set pods with 11 percent dropping leaves. The crop benefitted from the recent rains and is rated in good-to-fair condition. Problems with insect and disease pressure were reported in some areas.

TOBACCO: Ninety percent of the crop has been topped with harvest underway. The crop continues to be rated in mostly good-to-fair condition, with most problems reported in East Tennessee due to dry weather.

CATTLE, PASTURES & HAY: The recent rainfall slightly improved the condition of pastures. However, ponds and creeks continue to be low. Armyworms scattered throughout hay fields have become a concern for many growers. Cattle were rated in good-to-fair condition with some producers providing supplemental feed.

| TEMPERATURES AND PRECIPITATION For week ending: 09/01/02 (with comparisons) | | | | | | | | | | |
|--|-------------------------|----|-----|-----|-----------------|------|--------------------|--------|---------------|------|
| LOCATION | TEMPERATURE | | | | PRECIPITATION | | | | GDD BASE 60F | |
| | Week Ending 09/01/02 | | | | Current Week | Rain | Current | From | Since April 1 | |
| | HI | LO | AVG | DFN | 09/01/02 | Days | Since January 1 | Normal | Total | DFN |
| Ames_Plantation | 90 | 63 | 77 | +2 | 0.00 | 0 | 38.28 | +2.79 | 2270 | +258 |
| Tri-City_RGNL_A | 85 | 59 | 72 | +1 | 1.14 | 4 | 24.39 | -4.26 | 1757 | +373 |
| Brownsville_TN | 90 | 64 | 78 | +2 | 0.00 | 0 | 30.81 | -4.73 | 2386 | +599 |
| Chattanooga/Lov | 89 | 64 | 77 | +1 | 1.68 | 3 | 28.64 | -7.80 | 2359 | +455 |
| Clarksville_Sew | 91 | 65 | 78 | +4 | 0.63 | 1 | 34.23 | -0.18 | 2274 | +475 |
| Cookeville | 87 | 61 | 74 | +1 | 0.16 | 1 | 38.65 | -0.34 | 1801 | +669 |
| Covington | 89 | 64 | 77 | +1 | 0.04 | 1 | 38.41 | +3.85 | 2195 | +142 |
| Crossville_AP | 88 | 57 | 70 | -2 | 0.67 | 4 | 39.43 | +1.02 | 1368 | +83 |
| Dickson_AG | 88 | 62 | 75 | +1 | 0.00 | 0 | 34.59 | -2.03 | 1886 | +8 |
| Dover_1W | 87 | 55 | 75 | +1 | 0.18 | 1 | 37.71 | +2.09 | 2033 | +435 |
| Dyersburg | 88 | 64 | 76 | -1 | 0.00 | 0 | 31.09 | -2.86 | 2281 | +101 |
| Erwin_1W | 85 | 60 | 72 | +2 | 3.33 | 5 | 30.05 | -4.86 | 1639 | -9 |
| Huntingdon_Wate | 89 | 63 | 76 | +1 | 0.13 | 1 | 32.45 | -3.12 | 2185 | +479 |
| Jackson_AG | 89 | 63 | 77 | +2 | 0.08 | 1 | 33.25 | -1.94 | 2285 | +323 |
| Kingston_AG | 89 | 62 | 75 | +3 | 1.63 | 3 | 38.44 | -1.86 | 1988 | +504 |
| Knoxville_AP | 88 | 63 | 76 | +2 | 0.51 | 2 | 36.99 | +3.95 | 2132 | +476 |
| Lewisburg | 90 | 55 | 74 | +0 | 0.34 | 2 | 39.65 | +2.34 | 1903 | +231 |
| Lexington_TN | 90 | 64 | 77 | +1 | 0.00 | 0 | 37.91 | +3.53 | 2154 | +938 |
| Linden | 89 | 62 | 76 | +2 | 0.08 | 2 | 36.55 | -1.32 | 1982 | +303 |
| Martin | 89 | 64 | 76 | +2 | 0.44 | 2 | 35.72 | -0.10 | 2218 | +332 |
| Mc_Minnville_Tn | 86 | 63 | 75 | +1 | 0.12 | 1 | 35.92 | -0.59 | 2065 | -18 |
| Memphis_AG | 90 | 65 | 78 | -2 | 0.00 | 0 | 45.71 | +10.87 | 2345 | -83 |
| Milan | 89 | 62 | 76 | +2 | 0.00 | 0 | 32.01 | -4.57 | 2200 | +359 |
| Murfreesboro_5N | 89 | 62 | 76 | +1 | 0.63 | 4 | 33.01 | -3.21 | 2033 | -37 |
| Nashville_Metro | 89 | 66 | 77 | +2 | 0.15 | 3 | 33.50 | +0.89 | 2223 | +254 |
| Newcomb | 87 | 61 | 73 | +3 | 2.22 | 3 | 35.93 | -1.89 | 1694 | +483 |
| Oneida | 86 | 61 | 73 | +3 | 0.77 | 5 | 34.37 | -3.45 | 1692 | -76 |
| Pikeville | 87 | 64 | 75 | +2 | 0.22 | 2 | 38.65 | +2.12 | 2008 | +378 |
| Portland_TN | 89 | 63 | 75 | +2 | 0.13 | 3 | 33.22 | -2.20 | 1971 | +339 |
| Pulaski_Water_P | 87 | 63 | 75 | -2 | 0.38 | 4 | 41.26 | +4.02 | 1990 | +25 |
| Savannah_6SW | 91 | 63 | 77 | -1 | 0.00 | 0 | 43.89 | +5.43 | 2177 | +444 |
| Sparta_TN | 88 | 61 | 75 | +2 | 0.87 | 5 | 38.72 | +1.02 | 1989 | +578 |
| Springfield | 89 | 58 | 75 | +2 | 0.09 | 2 | 32.91 | -1.04 | 1820 | +177 |
| Springhill | 89 | 63 | 76 | +2 | 0.07 | 2 | 34.17 | -3.38 | 2122 | +452 |
| Union_City | 90 | 63 | 76 | +2 | 0.14 | 2 | 29.39 | -5.55 | 2098 | +266 |

DFN = Departure From Normal (Using 1961-90 Normals Period). GDD = Growing Degree Days.
 Precipitation Days = Days with precip of 0.01 inch or more. Precipitation (rain or melted snow/ice) in inches.
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